



United States Department of State

*Bureau of Oceans and International
Environmental and Scientific Affairs*

Washington, D.C. 20520

DATE: APRIL 13

PAGES TO FOLLOW: 10

FROM: OES/SCT - John W. Bowen

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SUBJECT: SPAIN

TO: HARVEY PHONE: FIS 233-5725

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AS REQUESTED

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Department of State

INCOMING
TELEGRAM

PAGE 01 MADRID 04153 01 OF 10 061417Z
ACTION DES-29

SH86392

MADRID 04153 01 OF 10 061417Z

SH86392

INFO LOG-00 AID-00 AIT-03 AMAD-01 ARA-00 CIAE-00 CIP-00
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INR-01 ITC-01 ADS-00 NASA-02 NAS-01 NEA-00 NRC-02
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TST-01 T-01 EPAE-00 /066W

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R 061416Z APR 92
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NASA WASHDC
ONR ARLINGTON VA//CODE 11F//
AMCONSUL BARCELONA POUCH
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UNCLAS SECTION 01 OF 10 MADRID 04153

DEPT FOR DES/SAT FOR STRIDE: DES/SC - BOWEN;
EUR/WE - FOULGER

USDOC FOR NOAA: NIST

DEPT PASS NSF; HHS-FIC; EPA; NRC; INTERIOR

NSF FOR INT-STOLBERG

BRUSSELS FOR USEC; PARIS ALSO FOR NSF (OWENS);
NASA (ZIMMERMAN) AND FOR USDOCD

E.O. 12356: N/A
TAGS: TSPL, OSC, INGD, KSCA, SP
SUBJECT: AN OUTLINE OF THE HISTORY OF U.S.-SPAIN
SCIENCE AND TECHNOLOGY COOPERATION

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I. SUMMARY AND INTRODUCTION

1. SPAIN AND THE UNITED STATES CARRIED OUT A FORMAL
PROGRAM OF SCIENCE AND TECHNOLOGY COOPERATION FROM

1976 TO 1989 WITHIN THE FRAMEWORK OF TWO ACCORDS
AIMED AT DEFENSE COOPERATION. OVER THIS PERIOD THE
USG CONTRIBUTED OVER \$60 MILLION FOR GRANTS,
EXCHANGES AND COOPERATIVE RESEARCH PROJECTS. AN
EXECUTIVE SECRETARIAT IN SPAIN OPERATED THE PROGRAM
UNDER THE DIRECTION OF A BINATIONAL JOINT COMMITTEE.
COOPERATION TERMINATED AFTER THE TWO COUNTRIES
CONCLUDED THE 1988 DEFENSE COOPERATION AGREEMENT
WITHOUT PROVISION FOR CONTINUATION OF THE S&T
PROGRAM. THE IMPENDING DEPARTURE OF THE CURRENT
SCIENCE COUNSELOR AND THE FADING INSTITUTIONAL MEMORY
OF THIS PROGRAM IN MADRID AND WASHINGTON PROMPT THIS
SUMMARY REVIEW FOR THE RECORD.

2. VIRTUALLY EVERY MAJOR USG S&T AGENCY AND MANY
U.S. UNIVERSITIES PARTICIPATED IN THE PROGRAM, WHICH
ALSO ATTRACTED THEIR SPANISH COUNTERPARTS.
EVENTUALLY THE SUPPORT OF BASIC SCIENCE DREW 15
PERCENT OF THE FUNDING AND APPLIED SCIENCE 85 PERCENT.

3. EVALUATIONS GENERALLY FOUND COOPERATIVE RESEARCH
TO BE OF HIGH QUALITY AND MUTUAL BENEFIT.
ADMINISTRATIVE PROCEDURES RATED LOWER.

4. THE EXECUTIVE SECRETARIAT WOUND UP ADMINISTRATION
OF THE PROGRAM ON DECEMBER 31, 1989. DESPITE BUDGET
SHORTFALLS AND HIGH SEVERANCE EXPENSES FOR
SECRETARIAT MEMBERS, SOME MONEY REMAINED, AND WITH
ACCRUED INTEREST NOW AMOUNTS TO \$2 MILLION.

5. NEGOTIATIONS FOR A SEPARATE SUCCESSOR S&T
COOPERATION AGREEMENT SOON RESULTED IN A PROVISIONAL
DRAFT PROVIDING NO BLOC FUNDING AND NO SECRETARIAT.
BUT AGREEMENT ON THE ANNEX ON PROTECTION OF RIGHTS TO

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TST-02 T-01 EPAE-00 /066W

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R 061416Z APR 92
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NASA WASHDC
CNR ARLINGTON VA//CODE 11F//
AMCONSUL BARCELONA POUCH
AMCONSUL BILBAO POUCH

UNCLAS SECTION 02 OF 10 MADRID 04153

DEPT FOR QES/SAT FOR STRIDE; QES/SCT - BOWEN;
EUR/WE - FOULGER

USDOC FOR NOAA; NIST

DEPT PASS NSF, HHS-FIC, EPA, NRC, INTERIOR

NSF FOR INT-STOLBERG

BRUSSELS FOR USED; PARIS ALSO FOR NSF (OWENS);
NASA (ZIMMERMAN) AND FOR USOECD

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TAGS: TSPL, OSC, TNCD, KSCA, SP
SUBJECT: AN OUTLINE OF THE HISTORY OF U.S.-SPAIN
SCIENCE AND TECHNOLOGY COOPERATION

INTELLECTUAL PROPERTY PRODUCED UNDER THE PROSPECTIVE
COOPERATION IS LITTLE CLOSER THAN IN 1980. BY A 1987
USG EXECUTIVE ORDER ALL NEW INTERNATIONAL S&T
COOPERATION AGREEMENTS MUST PROVIDE THIS PROTECTION.
SPAIN AND OTHER EC COUNTRIES WANT THEIR RIGHTS
EXTENDED TO THE ENTIRE EC. THERE IS, NEVERTHELESS,
PERCEPTIBLY GROWING SENTIMENT, BOTH IN OFFICIAL AND
SCIENTIFIC CIRCLES, FOR FINDING SOME WAY TO RESUME
COOPERATION.

II. DEFENSE COOPERATION LACED WITH S&T

6. SPAIN AND THE UNITED STATES ENTERED INTO A FORMAL
PROGRAM OF COOPERATION IN SCIENCE AND TECHNOLOGY SET
OUT IN AN AGREEMENT BETWEEN THE TWO GOVERNMENTS
SIGNED SEPTEMBER 21, 1976. THE INSTRUMENT WAS
SUPPLEMENTARY AGREEMENT NUMBER 3 OF THE TREATY OF
FRIENDSHIP AND COOPERATION, WHICH PROVIDED FOR U.S.

USE OF SPANISH MILITARY BASES. THE TERM OF THIS
COOPERATION WAS EXTENDED FROM SEPTEMBER 1981 UNTIL
MAY 14, 1983, WHEN THE 1976 TREATY WAS SUCCEEDED BY
THE AGREEMENT ON FRIENDSHIP, DEFENSE AND COOPERATION,
WHICH APPLIED TO S&T THROUGH ITS SUPPLEMENTARY
AGREEMENT NUMBER 7, UNTIL DECEMBER 31, 1989. THIS
LATTER DATE MARKED THE TERMINATION OF THE S&T

COOPERATIVE PROGRAM. THE 1976 AND 1983 PARENT
AGREEMENTS ARE OFTEN REFERRED TO SIMPLY AS "BASES
AGREEMENTS."

7. SCIENTIFIC EXCHANGE BETWEEN THE TWO COUNTRIES
BEGAN BEFORE 1976, AND EVEN U.S. GOVERNMENT SUPPORT
OF COOPERATION PREDATES THE 1976 TREATY. THE U.S.
FULBRIGHT PROGRAM CAME TO SPAIN IN 1958 AND THE 1976
COOPERATION AGREEMENT WAS PRECEDED BY A SIMILAR
ACCORD IN 1970 THAT PROVIDED COOPERATION IN CULTURE
AND EDUCATION (C&E) THAT DID NOT EXCLUDE S&T.

8. THE TWO AGREEMENTS GOVERNED FORMAL COOPERATION
BETWEEN THE TWO COUNTRIES. THEN, FOR 14 YEARS, THEY
SET UP THE U.S.-SPANISH JOINT COMMITTEE FOR S&T
COOPERATION. THIS JOINT COMMITTEE HAD A U.S. AND A
SPANISH SECTION CO-CHAIRIED BY THE STATE DEPARTMENT
AND THE MINISTRY OF FOREIGN AFFAIRS AND WAS COMPOSED
OF REPRESENTATIVES OF DIFFERENT GOVERNMENT
DEPARTMENTS. IT MET ANNUALLY, ALTERNATING BETWEEN
THE TWO CAPITALS. A PERMANENT SECRETARY OF THE JOINT
COMMITTEE WAS A SPANISH DIPLOMAT SERVING IN MADRID.

9. AN EXECUTIVE SECRETARIAT LOCATED IN MADRID AND

WITH A SPANISH STAFF OPERATED THE PROGRAM FROM 1977
ON UNDER THE GUIDANCE OF THE JOINT COMMITTEE. SINCE
A CULTURE AND EDUCATION PROGRAM ALREADY EXISTED UNDER
THE 1970 BASES AGREEMENT, THE S&T FUNCTION WAS
INCLUDED IN ITS EXECUTIVE SECRETARIAT'S
RESPONSIBILITIES UNTIL THE PROGRAMS SEPARATED FOR
GOOD IN 1979. ALSO IN 1979, A JOINT WORKING GROUP

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DEPT FOR OES/SAT FOR STRIDE; OES/SCT - BOWEN;
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USDOC FOR NOAA; NIST

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NSF FOR INT-STOLBERG

BRUSSELS FOR USEC; PARIS ALSO FOR NSF (OWENS);
NASA ZIMMERMAN; AND FOR USOECD

E.O. 12356: N/A
TAGS: TSPL; OSC1; TNGD; KSCA; SP
SUBJECT: AN OUTLINE OF THE HISTORY OF U.S.-SPAIN
SCIENCE AND TECHNOLOGY COOPERATION

COMPOSED OF U.S. AND SPANISH AGENCY PROGRAM OFFICERS
BEGAN TO MEET AND SCREEN PROPOSALS, PASSING THEIR
RECOMMENDATIONS ANNUALLY TO THE JOINT COMMITTEE FOR
APPROVAL. THE EXECUTIVE SECRETARIAT EVENTUALLY HAD A
STAFF OF EIGHT.

A. USG CONTRIBUTIONS OVER \$60 MILLION

10. IN TERMS OF CONTRIBUTIONS, THE UNITED STATES PUT
IN CASH, GENERALLY ANNUALLY, IN THE FORM OF ECONOMIC
SUPPORT FUNDS. TWO READILY AVAILABLE REFERENCES FOR
FUNDING ARE THE SPANISH SECTION REPORT OF MAY 1983
(ENGLISH VERSION JANUARY 1984) AND THE ANNUAL AUDITS
BY ARTHUR ANDERSON FROM 1983-9. LIKE ALL FINANCIAL
REPORTS, THESE ARE FULL OF FOOTNOTES, BUT THE BROAD
FINANCIAL OUTLINE OF THE PROGRAM IS AS FOLLOWS:

PERIOD USG FUNDING
MILLIONS OF DOLLARS

1970(1)	1.8
1976-81	23.
1981-2	3.
1982-3	3.6
1976-83	31.6

1983	7.
1984	7.
1985	7.
1986	6.699
1987	2.917
1988	1.850
1989	0
1983-9	32.5
TOTAL	
1976-89	\$64.1 MILLION

(1) FUNDS FOR S&T TRANSFERRED FROM THE 1970 CULTURE
AND EDUCATION AGREEMENT (\$1.8 MILLION).

11. EXPENDITURES SOMEWHAT EXCEED THIS COST FIGURE
DUE TO TRANSFERS, INTEREST ON DEPOSITS, ETC. BUT THE
TOTAL VALUE OF THE PROGRAM WAS IN EXCESS OF \$60

MILLION. IN 1983, THE SPANISH SECTION MADE A GOOD
FAITH ATTEMPT TO ESTIMATE THE SPANISH CONTRIBUTION TO
THE PROGRAM. THIS SHARE INCLUDED IN-KIND
CONTRIBUTIONS, PERSONNEL COSTS, OVERHEAD, ETC., BUT
NO CASH, AND CAME TO APPROXIMATELY \$30 MILLION FOR
THE PERIOD 1976-83. THIS FIGURE IS LIKELY INFLATED

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DEPT FOR DES/SAT FOR STRIDE: DES/SCI - BOWEN;
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AND ITS SIMILARITY TO USG PART I FUNDING (\$31.6
MILLION) HARDLY COINCIDENTAL.

12. FROM 1983 ON THE U.S. PLANNED TO CONTRIBUTE \$7
MILLION ANNUALLY TO THE S&T PROGRAM AND \$5 MILLION TO
C&E. THE ECONOMIC SUPPORT FUNDS CAME FROM AID
THROUGH STATE AND THEN TO THE JOINT COMMITTEE.
INDEED THIS \$7-MILLION FIGURE WAS USED FOR PLANNING
AND AWARD OF MULTIYEAR GRANTS. BEGINNING IN 1986 THE
U.S. COULD NO LONGER KEEP TO THIS SCHEDULE, AND THE
CONTRIBUTION FELL TO JUST \$1.85 MILLION IN 1988. IT
DROPPED TO ZERO IN 1989, BUT BY THIS TIME, THE
AGREEMENT WAS BEING CLOSED OUT. FUNDING CUTS HAD
LITTLE IF ANYTHING TO DO WITH THE PROGRAM PER SE, BUT
REFLECTED BUDGET LIMITATIONS IN THE GENERAL ESF
CATEGORY. NOR DID CLOSING DOWN THE AGREEMENT REFLECT
ON THE VALUE OF THE COOPERATION. RATHER, SPAIN AND
THE U.S. BOTH AGREED TO REMOVE S&T AND C&E FROM THE
NEW BASES AGREEMENT SIGNED IN 1988 AND IN FORCE FROM

1989.

III. PROJECT TYPES: GRANTS, JOINT RESEARCH, EXCHANGES

A. PHASE I: 1976-83

13. IN PHASE I OF THE COOPERATION FROM 1976-83 THE
APPROXIMATE EXPENDITURES FROM THE JOINT FUND ARE AS
FOLLOWS:

COOPERATIVE RESEARCH	78 PERCENT
INSTITUTIONAL GRANTS	6
DIRECT RESEARCH GRANTS	5
FELLOWSHIPS AND TRAVEL	9
ADMINISTRATIVE EXPENSES	2

-- COOPERATIVE RESEARCH PROJECTS WERE CARRIED OUT BY
U.S. AND SPANISH SCIENTISTS. FORTY-ONE PROJECTS WERE
APPROVED, SIX WERE CANCELLED FOR UNSATISFACTORY
PERFORMANCE AND 35 WERE COMPLETED.

-- DIRECT RESEARCH GRANTS WERE GENERALLY AWARDED FOR
ONE YEAR TO A SPANISH INSTITUTION FOR RESEARCH IN
SPAIN. THIRTY-FIVE WERE AWARDED, BUT ONLY THROUGH
1988.

-- INSTITUTIONAL GRANTS AIDED SPANISH R&D
INSTITUTIONS TO BUY EQUIPMENT. THESE GRANTS WERE NOT
CONTINUED PAST 1988, WHEN 31 HAD BEEN AWARDED.

-- FELLOWSHIPS PERMITTED SPANISH AND U.S. RESEARCHERS
TO CARRY OUT RESEARCH IN THE HOST COUNTRY FOR
SIX-TWELVE MONTHS. TRAVEL GRANTS WERE FOR ONE TO
THREE MONTHS AND DESIGNED FOR SHORT VISITS TO
LABORATORIES. IN THE PERIOD 1976-83 THE FOLLOWING
FELLOWSHIPS AND GRANTS WERE AWARDED:

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FELLOWSHIPS 197
TRAVEL GRANTS 128

ALMOST ALL THE FELLOWSHIP AND TRAVEL AWARDS WENT TO
SPANIARDS.

B. PHASE II: 1983-89

14. THE JOINT COMMITTEE DECIDED TO SPLIT THE \$7
MILLION ANNUAL USG CONTRIBUTION TO THE SECOND PHASE
OF THE COOPERATION PROGRAM INTO TWO MAIN PARTS: BASIC
SCIENCE, WITH 15 PERCENT OF THE FUNDS; AND APPLIED
SCIENCE AND TECHNOLOGY, WITH 85 PERCENT. THE TYPES
OF AWARDS WERE SIMILAR TO THOSE FOR PHASE I,
1976-83. THESE WERE COOPERATIVE RESEARCH AWARDS FOR
PROJECTS IN THE BASIC SCIENCES; LONG-TERM EXCHANGES
OF RESEARCHERS; SHORT-TERM TRAVEL GRANTS (MAINLY TO
SPANIARDS) AND SEMINARS.

15. THE MAIN USG AGENCIES THAT PARTICIPATED:

DEPARTMENT OF HEALTH AND HUMAN SERVICES
--OFFICE OF INTERNATIONAL HEALTH
--NATIONAL INSTITUTES OF HEALTH

DEPARTMENT OF THE INTERIOR

--NATIONAL PARK SERVICE
--FISH AND WILDLIFE SERVICE
--BUREAU OF RECLAMATION
--GEOLOGICAL SURVEY
--BUREAU OF MINES

DEPARTMENT OF ENERGY
DEPARTMENT OF DEFENSE
ENVIRONMENTAL PROTECTION AGENCY
NUCLEAR REGULATORY COMMISSION

DEPARTMENT OF AGRICULTURE
--OFFICE OF INTERNATIONAL COOPERATION AND DEVELOPMENT

NASA

DEPARTMENT OF COMMERCE
--NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY
--NOAA

DEPARTMENT OF TRANSPORTATION
NATIONAL SCIENCE FOUNDATION.

DEPARTMENT OF STATE

--OFFICE OF MARINE SCIENCE AND TECHNOLOGY

ON THE SPANISH SIDE, THE MAIN GOVERNMENT PARTICIPANTS
WERE (CURRENT TITLES)

NATIONAL RESEARCH COUNCIL (CSIC)

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--APPLIED SCIENCE 132

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	INR-01	ITC-01	ADS-00	NASA-02	NAS-01	NEA-00	NRC-02
	NSAE-00	NSCE-00	NSF-02	PN-00	DSC-01	SP-00	STR-20
	TST-02	T-01	EPAE-00	/066W			

TOTAL	218
FELLOWSHIPS	200
SEMINARS	30

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USDOC FOR NOAA; NIST

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MINISTRY OF EDUCATION AND SCIENCE
MINISTRY OF DEFENSE
MINISTRY OF INTERIOR
MINISTRY OF HEALTH AND CONSUMER AFFAIRS
MINISTRY OF FOREIGN AFFAIRS
MINISTRY OF PUBLIC WORKS AND TRANSPORTATION
--HYDROGRAPHIC STUDIES CENTER
--CENTRAL INSTITUTE FOR STRUCTURES AND MATERIALS
--GEOLOGICAL SURVEY

NATIONAL OCEANOGRAPHIC INSTITUTE
MINISTRY OF AGRICULTURE
--NATIONAL AGRICULTURAL RESEARCH CENTER (INIA)
--NATIONAL PARK SERVICE (ICONA)

MINISTRY OF INDUSTRY, TRADE AND TOURISM (INCLUDING
ENERGY AND TELECOMMUNICATIONS)

IN ADDITION, SPANISH AND U.S. UNIVERSITIES

PARTICIPATED. NEARLY ALL SPANISH UNIVERSITIES ARE
OWNED AND OPERATED BY THE NATIONAL GOVERNMENT.

16. THE APPROXIMATE TOTALS FOR PHASE II:

COOPERATIVE PROJECTS:
--BASIC SCIENCE

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IV. EVALUATION

A. SCIENTIFIC MERIT HIGH

17. ANNUAL REPORTS AND INTERNAL EVALUATIONS TOOK
ACCOUNT OF THE PROGRAM'S QUALITY. AID PREPARED AN
EVALUATION IN 1984. THE MOST RECENT WAS PREPARED BY
THE DEPARTMENT OF STATE IN 1986 AT THE REQUEST OF THE
AMERICAN AMBASSADOR IN MADRID. WITH THE HELP OF
PARTICIPATING USG AGENCIES IT IDENTIFIED A NUMBER OF
PROJECTS THAT HAD PRODUCED BENEFITS FOR THE U.S. IN
OUTLINE FORM THESE INCLUDED:

VIRUS ASSAY FOR AFRICAN SWINE FEVER

HYBRID SUGAR BEETS

FOOD CHAIN DYNAMICS IN WATERS OFF GALICIA; AQUACULTURE

CITRUS FRUIT PROTECTION

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TST-02 T-01 EPAE-00 /066W

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DEPT FOR QES/SAT FOR STRIDE; QES/SC - BOWEN;
EUR/WE - FOULGER

USDOC FOR NOAA; NIST

DEPT PASS NSF, HHS-FIC, EPA, NRC, INTERIOR

NSF FOR INT-STOLBERG

BRUSSELS FOR USEC; PARIS ALSO FOR NSF (OWENS);
NASA (ZIMMERMAN) AND FOR USDOED

E.O. 12356; N/A
TAGS: TSPL, OSC, TNGD, KSCA, SP
SUBJECT: AN OUTLINE OF THE HISTORY OF U.S.-SPAIN
SCIENCE AND TECHNOLOGY COOPERATION

CONTROL OF INTRODUCED SPECIES ON ISLANDS; HAWAII AND
THE CANARIES

WETLANDS MANAGEMENT; DONYANA AND EVERGLADES

WATER DESALINATION

GROUND WATER FLOW; MADRID BASIN AND THE GREAT SALT
LAKE BASIN

EARTHQUAKE HAZARD ASSESSMENT

18. IN ALL THESE PROJECTS EITHER A RESULT OF MUTUAL
BENEFIT WAS PRODUCED, AS IN THE HYBRID SUGAR BEET, OR
KNOWLEDGE APPLICABLE TO A SUBJECT IN BOTH COUNTRIES
WAS SHARED FOR MUTUAL BENEFIT, AS IN THE CONTROL OF
UNWANTED, INTRODUCED SPECIES IN ISLAND HABITATS.

19. A GLANCE AT THE NAMES OF SOME OF THE

INSTITUTIONAL AND INDIVIDUAL PARTICIPANTS IS ALSO
INFORMATIVE:

STANFORD UNIVERSITY
UNIVERSITY OF ARIZONA
OHIO STATE UNIVERSITY
VIRGINIA POLYTECHNIC INSTITUTE

UNIVERSITY OF VIRGINIA
CORNELL UNIVERSITY
LAMONT-DOHERTY GEOLOGICAL OBSERVATORY OF COLUMBIA
UNIVERSITY
UNIVERSITY OF FLORIDA
UNIVERSITY OF ILLINOIS
UNIVERSITY OF CALIFORNIA-BERKELEY
UNIVERSITY OF CALIFORNIA-SAN DIEGO

DR. ELIAS MUNOZ - LATER HEAD OF NATIONAL RESEARCH
COUNCIL (CSIC)
OSCAR RUANO - NOW A KEY SCIENTIST AT THE NATIONAL
CENTER FOR METALLURGICAL RESEARCH (CENIM)
LUIS ORO - NOW EXECUTIVE DIRECTOR, INTERMINISTERIAL
COMMITTEE FOR SCIENCE & TECHNOLOGY (NATIONAL R&D
PLAN)
FERNANDO BRIONES - NOW DIRECTOR, NATIONAL
MICROELECTRONICS CENTER, MADRID DEPARTMENT

B. ADMINISTRATION NOT HIGH

20. BY THE BEGINNING OF PHASE II THE ADMINISTRATIVE
STRAINS ON THE PROGRAM WERE IDENTIFIABLE AS THE
AMOUNT OF MONEY COMMITTED MOUNTED. THE AID

EVALUATION IN 1984 AND SUBSEQUENT ASSESSMENTS FOUND
RECORDKEEPING, PLANNING AND FUNDS DISBURSEMENT
WANTING. THIS WAS LARGELY DUE TO AN INEXPERIENCED
EXECUTIVE SECRETARIAT.

21. THE U.S. SIDE PUSHED FOR COMPUTERIZATION OF

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UNCLASSIFIED
Department of State

INCOMING
TELEGRAM

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INFO LOG-00 AID-00 AIT-03 AMAD-01 ARA-00 CIAE-00 CIP-00
DINT-05 DODE-00 EAP-00 EB-00 EUR-00 HHS-06 INRE-00
INR-01 ITC-01 ADS-00 NASA-02 NAS-01 NEA-00 NRC-02
NSAE-00 NSCE-00 NSF-02 PM-00 DSC-01 SP-00 STR-20
TST-02 T-01 EPAE-00 /066W

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R 061416Z APR 92
FM AMEMBASSY MADRID
TO SECSTATE WASHDC 1361
INFO AMEMBASSY BRUSSELS
AMEMBASSY LONDON
AMEMBASSY PARIS
ONREUR LONDON UK
USDOC WASHDC
DOE WASHDC
USDA FAS WASHDC
NASA WASHDC
CNR ARLINGTON VA//CODE 11F//
AMCONSUL BARCELONA POUCH
AMCONSUL BILBAO POUCH

UNCLAS SECTION 08 OF 10 MADRID 04153

DEPT FOR OES/SAT FOR STRIDE; OES/SCT - BOWEN;
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USDOC FOR NOAA; NIST

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TAGS: TSPL, OSC, INGO, KSCA, SP
SUBJECT: AN OUTLINE OF THE HISTORY OF U.S.-SPAIN
SCIENCE AND TECHNOLOGY COOPERATION

SECRETARIAT FUNCTIONS. AT THE SUGGESTION OF THE
U.S., CONSULTANTS RECOMMENDED NEW PROCEDURES. A NEW
IBM SYSTEM EVENTUALLY REPLACED AN INADEQUATE
PREDECESSOR, BUT IT IS NOT CLEAR THAT ALL RECORDS
WERE EVER TRANSFERRED TO THE NEW SYSTEM. SCIENTISTS
RECEIVED PAYMENTS LATE, AND REPORTS ENTERED THE
SYSTEM SLOWLY, DELAYING ASSESSMENT OF WORK AND
RENEWALS. ADMINISTRATIVE EXPENSES ROSE.

V. BUMPY TRANSITION TO NEW S&T AGREEMENT

A. PHASEOUT CONFUSED AND COSTLY

22. AS MENTIONED EARLIER, USG BUDGET CUTBACKS
DRASTICALLY REDUCED THE FUNDING BY 1988, WHEN THE NEW
BASES AGREEMENT WAS SIGNED, WITHOUT COMPLIMENTARY

AGREEMENTS FOR S&T OR C&E. WITH NO NEW MONEY FOR
1989 AT ALL, AND WITH NO S&T AGREEMENT, THE EXECUTIVE
SECRETARIAT FINISHED ITS WORK AND DISBANDED ON
DECEMBER 31, 1989.

23. ONE LARGE UNPLANNED ADMINISTRATIVE EXPENSE
CHARGED TO THE JOINT FUND WAS SEVERANCE PAY FOR SIX

MEMBERS OF THE EXECUTIVE SECRETARIAT. THE USG
FINALLY ACCEPTED THE NECESSITY OF PAYING THIS AMOUNT
IN CONFORMITY WITH SPANISH LABOR LAW. (FOR SOME TIME
THE USG THOUGHT INCORRECTLY THAT THE EXECUTIVE
SECRETARIAT WAS AN INTERNATIONAL ORGANIZATION EXEMPT
FROM SUCH LAWS.) PAYMENT WAS MADE ON THE BASIS OF 20
DAYS' SALARY FOR EVERY YEAR OF SERVICE, BRINGING THE
TOTAL BILL TO AROUND \$130,000.

B. NEW APPROACHES MISS THE MARK

24. FROM ABOUT 1986 ON CONSIDERABLE THOUGHT WAS
GIVEN TO WHAT FORM S&T COOPERATION SHOULD TAKE IN THE
NEW AGREEMENT AND HOW IT SHOULD BE FINANCED. THE
SPANISH SIDE PARTICULARLY HAD A LOT OF IDEAS FOR
FUNDING THROUGH ARRANGEMENTS WITH PRIVATE AND
GOVERNMENT LABS (IN THE U.S.) OR USE OF AN ENDOWED
FOUNDATION. ONE ESPECIALLY INGENIOUS SPANISH IDEA
WAS TO FINANCE THE NEW PROGRAM WITH A PORTION OF THE
"FEE" CHARGED BY THE U.S. DEFENSE DEPARTMENT FOR
INCLUDING ARMS SALES TO SPAIN IN ITS OWN ORDERS TO
U.S. CONTRACTORS TO ASSURE QUALITY, PROMPT DELIVERY
AND QUANTITY DISCOUNTS. IN THE LATE-1980S ERA OF
FISCAL AUSTERITY, NONE OF THESE SCHEMES HAD MUCH

CHANCE OF BEING ADOPTED, AND NONE WAS.

C. PHASE-IN SOON STALLED

25. IN 1988 NEGOTIATIONS ON S&T AND C&E COOPERATION
BEGAN AND THE NEW BASES AGREEMENT WAS SIGNED DECEMBER
1, 1988. (IT ENTERED INTO FORCE MAY 4, 1989.) BY
EARLY 1989 THE TWO GOVERNMENTS HAD DECIDED NOT ONLY
TO SEPARATE S&T AND C&E FROM THE BASES AGREEMENT, BUT

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ACTION QES-09

SHB8450

INFO	LOG-00	AID-00	AIT-00	AMAD-01	ARA-00	CIAE-00	CIP-00
	DINT-00	DODE-00	EAP-00	EB-00	EUR-00	HHS-00	INRE-00
	INR-01	ITC-01	ADS-00	NASA-02	NAS-01	NEA-00	NRC-02
	NSAE-00	NSCE-00	NSF-02	PM-00	DSC-01	SP-00	STR-20
	TST-02	T-01	EPAE-00	/066W			

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R 061416Z APR 92
FM AMEMBASSY MADRID
TO SECSTATE WASHDC 1362
INFO AMEMBASSY BRUSSELS
AMEMBASSY LONDON
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NASA WASHDC
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AMCONSUL BARCELONA POUCH
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UNCLAS SECTION 09 OF 10 MADRID 04153

DEPT FOR QES/SAT FOR STRIDE; QES/SC - BOWEN;
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USDOC FOR NOAA; NIST

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E.O. 12356: N/A
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TO KEEP THEM SEPARATE FROM EACH OTHER. A NEW
STAND-ALONE Q&A AGREEMENT WAS NEGOTIATED AND SIGNED
ON JUNE 7, 1989.

26. THE TWO SIDES ALSO MET ON A NEW S&T AGREEMENT
AND AGREED PROVISIONALLY TO A TEXT BY AUGUST 1989
EXCEPT FOR THE ANNEX ON INTELLECTUAL PROPERTY
PROTECTION RIGHTS. THE SIMPLE AGREEMENT PROVIDES FOR
EXCHANGES, JOINT PROJECTS AND SEMINARS; SETS UP
ANOTHER JOINT COMMITTEE; BUT ENVISIONS NO EXECUTIVE
SECRETARIAT; AND MAKES NO PROVISION FOR DESIGNATED
OR PRIOR FUNDING.

27. DESPITE THE SHORTFALL IN PLANNED FUNDING AND THE
HEAVY SEVERANCE PAY EXPENSES, WHEN THE FINAL
BOOKKEEPING TALLIES WERE MADE, THERE WAS MONEY LEFT
OVER IN THE JOINT FUND. THESE FUNDS HAVE DRAWN
MODEST INTEREST IN A DOLLAR ACCOUNT IN MADRID AND NOW
TOTAL \$2 MILLION. ALTHOUGH ORIGINALLY USG FUNDS,

THEY CANNOT BE SPENT EXCEPT FOR THE PURPOSE THEY WERE
APPROPRIATED FOR (S&T COOPERATION) AND WITH THE
AGREEMENT OF BOTH COUNTRIES.

D. NEW DIFFICULTY: INTELLECTUAL PROPERTY RIGHTS

28. USG EXECUTIVE ORDER 12591 OF APRIL 10, 1987,

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REQUIRED ALL NEW OR RENEWED INTERNATIONAL S&T
COOPERATION AGREEMENTS TO INCLUDE ADEQUATE PROTECTION
OF RIGHTS TO INTELLECTUAL PROPERTY THAT MIGHT BE
CREATED BY JOINT RESEARCH PROJECTS UNDER THE AGREEMENT.

29. NEGOTIATIONS BETWEEN SPAIN AND THE U.S. ON THE
IPR ISSUE BOGGED DOWN IN 1989, AND THERE HAS BEEN
LITTLE PROGRESS SINCE, DESPITE MODIFICATION OF THE
USG POSITION. ALTHOUGH ITEMS OF DISAGREEMENT ARE
SEVERAL, THE MAIN ISSUES HAVE BOILED DOWN NOW TO TWO:

--THE GEOGRAPHIC AREA FOR INTELLECTUAL PROPERTY
RIGHTS; SPAIN WANTS THEM IN ALL EC COUNTRIES, OVER
OUR OBJECTION; AND

--APPLICABILITY OF PATENT LAW IN CASE OF UNEQUAL
COVERAGE; USG WOULD LIKE MORE SOPHISTICATED U.S.
PATENT LAW TO GOVERN IN CASES OF NEW FIELDS LIKE
BIOTECHNOLOGY.

30. USG MODIFICATIONS OF THE CONTESTED IPR ANNEX IN
1990 AND 1991 HAVE RECEIVED LITTLE SPANISH ATTENTION,
MUCH LESS DISCUSSION OR ACCEPTANCE. NEVERTHELESS, IN
AN ANALOGOUS SITUATION SPAIN IN 1991 OVERCAME ITS

BASIC OBJECTION TO A SPACE COOPERATION AGREEMENT
NECESSARY FOR CONTINUED USE OF SPANISH AIR BASES AS
EMERGENCY LANDING SITES FOR THE SPACE SHUTTLE. THE
AGREEMENT WAS SIGNED JULY 11, 1991, AFTER GOS YIELDED
ON THE QUESTION OF ABSOLUTE LIABILITY FOR DAMAGE NOT
ONLY DURING A POTENTIAL LANDING BUT ALSO DURING ITS

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TO

APR-13-1992 08:54 FROM QES/SC

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MADRID 0416Z 10 OF 10 061423Z
ACTION OES-09

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CASEY

MADRID 0416Z 10 OF 10 061423Z

SH88454

INFO LOG-00 AID-00 AIT-00 AMAD-01 ARA-00 CIAE-00 CIP-00
DINT-00 DODE-00 EAP-00 EB-00 EUR-00 HNS-00 INRE-00
INR-01 ITC-01 ADS-00 NASA-02 NAS-01 NEA-00 NRC-02
NSAE-00 NSCE-00 NSF-02 PM-00 DSC-01 SP-00 STR-20
TST-02 T-01 EPAE-00 /0666W

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R 061416Z APR 92
FM AMEMBASSY MADRID
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AMCONCELONA POUCH
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DEPT FOR DES/SA P STRIDE: OES/SCT - BOWEN;
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REMOVAL FROM SPAIN BY EXPERT USG TEAMS. INSTEAD,
SPAIN AGREED TO NONBINDING CLAIMS ARBITRATION.

E. OUTLOOK: SOME CAUSE FOR OPTIMISM

31. MANY SPANISH SCIENTISTS AND SOME OFFICIALS,
INCLUDING THE FOREIGN MINISTER, EXPRESS THE DESIRE TO
RESUME COOPERATION. SPAIN'S SCIENCE EFFORT IS
GREATER THAN IN 1976, 1983 OR EVEN 1989. THE
GOVERNMENT HAS POURED MONEY INTO S&T, AND THE PRIVATE
SECTOR IS BECOMING MORE AWARE OF THE DISADVANTAGES OF
IMPORTING S&T. BASIC RESEARCH AREAS LIKE BIOLOGY ARE
FIRST-RATE.

32. THE ISSUE OF COOPERATION WITH THE U.S. IS NOT
DEAD. SPANISH OFFICIALS HAVE SO FAR WEIGHED THE
POTENTIAL BENEFITS OF COOPERATION AGAINST
OTHER FACTORS, INCLUDING ADHERENCE TO THE PRINCIPLE
OF OBTAINING INTELLECTUAL PROPERTY RIGHTS IN THE

ENTIRE EC. HOW NATIONAL INTERESTS ARE MORE AFFECTED
HAS NOT YET BEEN DECIDED. THEREFORE, THE EMBASSY,
THE DEPARTMENT AND SOME LEVELS OF THE SPANISH
GOVERNMENT CONTINUE TO EXPLORE WAYS TO REESTABLISH
THIS MUTUALLY BENEFICIAL PROGRAM THAT WAS SO LONG AN
IMPORTANT COMPONENT IN OUR BILATERAL RELATIONS AND
THE SCIENTIFIC DEVELOPMENT OF BOTH COUNTRIES.

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TO

HPK-13-1992 08:54 FROM OES/SCT